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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 12-2004) | | ATTORNEY'S DOCKET NUMBER 05-037 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/521847 |
| INTERNATIONAL APPLICATION NO. PCT/ZA2003/000093 | INTERNATIONAL FILING DATE 15 July 2003 (15.07.03) | PRIORITY DATE CLAIMED 18 July 2002 (18.07.02) |

TITLE OF INVENTION
MEGASPHAERA ELSDENII STRAIN AND ITS USES

APPLICANT(S) FOR DO/EO/US
Charles Henry HORN; Albrecht KISTNER; Barend Jacobus GREYLING; Alexandra Helena SMITH

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

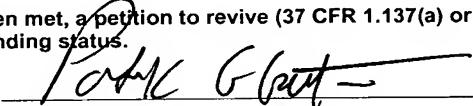
1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. A **FIRST** preliminary amendment.
16. A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. A substitute specification.
18. A power of attorney and/or change of address letter.
19. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. Express Mail Label No. EV596660615US
23. Other items or information:

Application Data Sheet
Return Receipt Postcard

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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|---|--------------|--|--|---|------------------|
| U.S. APPLICATION NO (if known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | |
| 10/521847 | | PCT/ZA2003/000093 | | 05-037 | |
| 24. The following fees are submitted: | | | | | |
| <input checked="" type="checkbox"/> a) Basic national fee | | \$300.00 | | <input type="checkbox"/> Applicant use \$300.00 | |
| <input checked="" type="checkbox"/> b) Examination fee | | \$200.00 | | <input type="checkbox"/> Office use \$200.00 | |
| <input checked="" type="checkbox"/> c) Search fee | | \$500.00 | | <input type="checkbox"/> \$500.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1000.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | | RATE | |
| - 100 = | /50 = | | | x \$250.00 | \$ \$0.00 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | | RATE | |
| Total claims | - 20 = | 0 | | x \$50.00 | \$ \$0.00 |
| Independent claims | - 3 = | 0 | | x \$200.00 | \$ \$0.00 |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00 \$ \$0.00 | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ \$1,000.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | | |
| SUBTOTAL = \$ \$1,000.00 | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | | |
| TOTAL NATIONAL FEE = \$ \$1,000.00 | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$0.00 | | | | | |
| TOTAL FEES ENCLOSED = \$ \$1,000.00 | | | | | |
| Amount to be refunded: \$ | | | | | |
| Amount to be charged: \$ | | | | | |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ \$1,000.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is _____.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: Patrick G. GATTARI MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP 300 South Wacker Drive, Suite 3100 Chicago, IL 60606 US Phone: (312) 913-0001 Fax: (312) 913-0002 | | | | | |
|  SIGNATURE Patrick G. Gattari NAME 39,692 REGISTRATION NUMBER | | | | | |

12/01/2005 GPFREY1 00000132 10521847
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(DOCKET NO.: 05-037) 23 NOV 2005

In re the Application of:)
Charles Henry Horn, et al.) Group Art Unit: Unassigned
Serial No.: 10/521,847)) Examiner: Unassigned.
Filed: January 18, 2005)
For: Megasphaera Elsdenii Strain And Its Uses)

TRANSMITTAL LETTER

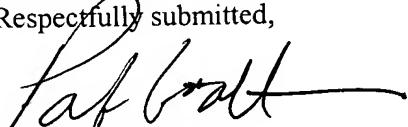
Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:
 - a) Response to Notification of Missing Requirements;
 - b) Copy of the Notification of Missing Requirement;
 - c) Supplemental Preliminary Amendment;
 - d) Sequence Listing (Paper Copy and CD Rom);
 - e) Declaration and Power of Attorney;
 - f) Petition for One Month Extension of Time; and
 - g) Return Receipt Postcard.
2. With respect to fees:
 - a) A check in the amount of \$500.00 is enclosed for the fees associated with the Notice of Missing Requirement (\$130.00); Petition for Extension of Time (\$120.00); and Additional Claims fee (\$250.00).
 - b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490.
3. **CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER 37 CFR § 1.10:** The undersigned hereby certifies that this Transmittal Letter and the papers, as described hereinabove, are being deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" in a box addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on November 23, 2005. Express Mail No. EV596663617US.

Respectfully submitted,



Patrick G. Gattari

Registration No. 39,682

12/01/2005 GPFREY1 00000132 10521847
01 FC:1617 130.00 OP
02 FC:1615 250.00 OP